Optoma
World's NO.1 DLP® Projector Expert

EX531

Time to Unleash your Vision
with a Limited Budget

What more can I say…. Optoma **EX531** is simply born to redefine the standard for DLP entry-level multimedia projectors. Featuring 2600 lumens & 2500:1 contrast ratio, the vivid presentation assures you a true new value that far exceeds your expectation in every aspect.

Texas Instruments DLP Technology
Incorporated with Texas Instruments' 0.55" XGA DMD chip

2600 ANSI Lumens & 2500:1 Native High Contrast
Brilliant optical design makes EX531 exceptional in providing high brightness & crystal-clear native high contrast

1.07 Billion Display Colors
Incorporated with Texas Instruments' latest DDP2430 scaler to realize true 10-bit signal processing

Utmost Display Resolution Support
Data: up to UXGA (1600x1200) @ 60Hz / Video: up to 1080p (HD Ready)

6 Default Display Modes + 2 User Adjustable Modes
Presentation / Bright / sRGB / Movie / Blackboard / Classroom + 2 User Modes to cater for all possible operation environments

Smart Power Saving Designs
Sleep timer / Auto shutdown while no input signal/Standby power < 1 watt

Enhanced Security Functions
Security bar+Keypad Lock+Password for theft deterrent and to prevent from unauthorized usage

Unsurpassed Product Quality/ Reliability
- 5-year color guarantee
- 5-year imager guarantee
- Long-life lamp (3000/4000 hrs)
- Hassle free / filter free / minimum maintenance required
- Lowest cost of ownership

DLP
TEXAS INSTRUMENTS

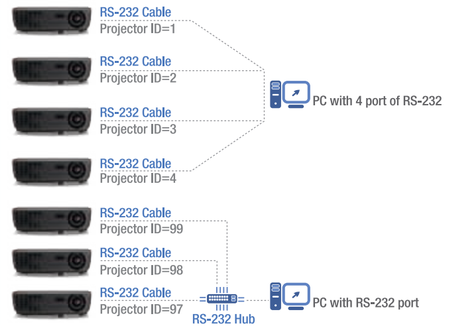
Specification	EX531
Display Technology	Texas Instruments DLP® technology / 0.55" XGA DMD Chip
Resolution	Native: 1024x768 (XGA) Support Computer signal up to UXGA (1600 x 1200) 60Hz
Brightness (typical)	2600 ANSI Lumens
Contrast Ratio	2500:1
Displayable Colors	1.07 Billion colors (10bit)
Projection Lens	F# 2.41~2.55, f = 21.8 ~23.98 mm 1.1x manual zoom / focus lens.
Projection Image Size	22.9 ~ 302.85 inches (4:3)
Projection Distance	1.0~12 meters
Throw Ratio	1.95 ~ 2.15:1 (distance/screen width)
Keystone Correction	± 40° (vertical)
Aspect Ratio	4:3 Native, 16:9 Compatible
Scan Rate	Horizontal: 15.3~ 91.1KHz; Vertical: 24 ~ 85 Hz
PC Compatibility	UXGA, SXGA+, SXGA, XGA, SVGA, VGA Compression, VESA standards PC & Macintosh compatible
Video Compatibility	HDTV (720p, 1080i/p), SDTV (480i/p, 576i/p), Full NTSC, PAL, PAL-M, PAL-N, SECAM
Input Connections	·VGA (VGA/ YPbPr/ RGB/ SCART) x2 ·IR receiver (Front & Top) x 2 ·S-Video x 1.Composite x 1.Audio x 1
Output Connections	·Audio x1 ·VGA output (support VGA only) x1
Control Functions	·RS232 control interface x1 ·IR receiver (Front & Top) x 2
Uniformity	85 %
Lamp Type	185-watt replaceable lamp
Estimated Lamp Life	4000 hours (STD mode) / 3000 hours (Bright mode)
Speaker	2W speaker x1
Power Supply	Universal AC input 100 ~ 240V; 50/60 Hz
Weight	2.3 kg / 5.0 lbs
Operational Noise	28dB(STD mode)
Dimensions（W×D×H）	286mm x 192mm x 97mm

Projection Distance (meter) / Image Size (4:3 diagonal inch)

	EX531	
Projection Distance	Minimum Image	Maximum Image
1.5	34.3	37.9
2.0	45.8	50.5
3.0	68.7	75.7
4.0	91.6	101.0
5.0	114.5	126.2
12.0	274.7	302.9

Remote Managment

Control plural EX531 by wire via RS-232 hub or directly with projector ID in EX531



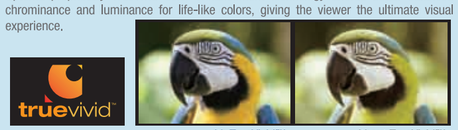
5-Year Color Guarantee & 5-Year Imager Guarantee

We are so confident that the EX531 colors will not fade that we guarantee the colors will remain vibrant and vivid, even after many years of use.

The large screen experience demands sharp, flawless images with instant impact and lasting crystal clear pictures. To retain image clarity, Optoma projectors are designed with DLP® technology, preventing degradation over time and consistent pixel performance. The Imager Guarantee ensures a precise picture performance for a minimum of five years.

True Vivid™ Technology

Optoma proprietary TrueVivid™color enhancement technology affords better balanced chrominance and luminance for life-like colors, giving the viewer the ultimate visual experience.

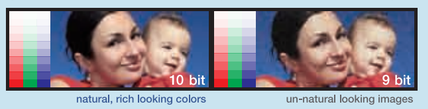


BrilliantColor™ -II

BrilliantColor™ is a Texas Instruments technology, which uses innovations in image processing to improve the optical efficiency of DLP® projection systems. BrilliantColor™ allows the usage of a more advanced image processing algorithm and enables the usage of more colors on the color wheel, than the standard Red, Green, Blue and White segments. New BrilliantColor™-II technology enables higher brightness levels by boosting mid-tone colors, resulting in more vibrant, precisely accurate colours projected on the screen.

10 bit Color Processing

The new 10 bit color processing technology increases the number of colors that can be display from 134.2 million to over 1073 million, presenting more natural & vibrant pictures.



natural, rich looking colors — un-natural looking images

Available from:

OP-EX531_200909

www.optoma.com

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